

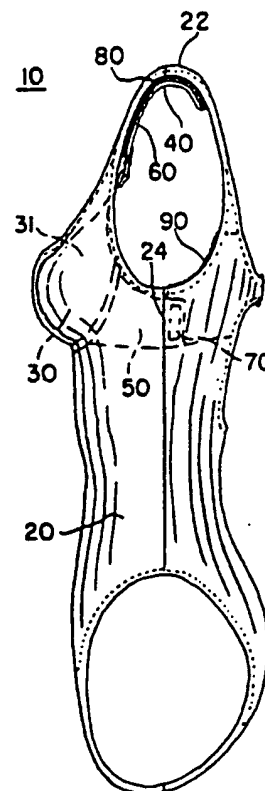
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(54) Title: INNER BREAST CUP INSERT FOR WOMEN'S GARMENTS**(57) Abstract**

An adjustable inner breast cup insert assembly (30, 130, 230 and 330) for a woman's swimsuit (20 and 220) or garment (120) such as a leotard, dancewear, etc. The inner breast cup insert (30) assembly comprises two breast cups (31 and 32) connected at a mid-section (35). Each breast cup (31, 32) contains a vertical extension (40) and a side extension (50). Attached to the vertical extension (40) and the side extension (50) of the breast cups (31, 32) is fastening material (60, 70) such as hook and loop type fasteners. On an inner side of the shoulder area (22) and side seams (24) of the underarm area of the swimsuit or garment is attached complementary fastening material (80, 90). The fastening material (60, 70) on the inner breast cup insert assembly is connected to the fastening material (80, 90) of the swimsuit or garment, thereby securely anchoring the insert assembly to the swimsuit or garment and providing proper fit, choice of size, proper support, comfort, shape and desired look to the wearer.



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INNER BREAST CUP INSERT FOR WOMEN'S GARMENTS

This invention relates generally to women's garments and, more particularly, to an adjustable inner breast cup insert assembly designed and fitted for swimsuits and exercise suits such as dancewear, leotards or similar bodywear.

Background of the Invention

There has long been the need to provide for shape and support for the bust area of women under their garments. This is typically done with a brassiere. Further, in the case of some close-fitting garments made of stretchable material, especially swimsuits and active wear, there is a need to have the bust support built in or attached directly to the garment.

Conventional swimsuits are generally made with three different treatments at the bust area. Suits may have no lining at the bust area, or a shelf bra which consists of a piece of fabric attached at the neckline and side seams of swimsuits that hangs loosely at the bust, or a constructed suit which has a pre-formed or stitched pair of cups or a bra attached to the swimsuit. The latter suit is intended to provide support and shape to the breast, but since they are not properly sized to the wearer, they fail to do a satisfactory job. These former swimsuit designs do not provide any support, lift or shape for the bust area. Unlined swimsuits or leotards press a woman's bust down and in addition to no support, give a less satisfactory contour. Frequently, these suits show a woman's nipples which most women dislike. A smaller busted woman tends to avoid these suits because of the flat chested appearance. Swimsuits or leotards with shelf bras do not give support or shape but do usually cover nipples and are preferred over nothing at all, primarily for modesty.

Additionally, the built-in brassiere is usually bulky and uncomfortable for the wearer. Large bosomed women fall out of the cup cavity while indentations to the cup appear on

small busted women and generally do not give a natural appearance.

The present invention allows these problems with conventional swimsuits and other close-fitting garments of stretchable material to be remedied. The inner breast cup insert assembly of the present invention provides proper bust fit, support, comfort and shape to the individual wearer who currently cannot find any other way of doing this. Additionally, this invention provides the advantages of a brassiere, but is hidden from view for a natural look. It provides flexibility of fit, choice of size, proper support, comfort, shape and desired look to the wearer.

The breast cup insert assembly and the swimsuit (or other garment) are selected separately according to the wearer's size and fit which distinguishes this invention from other suits currently on the market. A bra size consists of two dimensions, the cup size which relates to bust development, and the band size which relates to chest size. As a women's bust size and body size are mutually exclusive, in that for example a size 12 woman can have a bosom development categorized as 34 A, B, C or D, while a woman wearing a size 16 might have any one of those sizes, the wearer can select her exact brassiere size and a swimsuit in her body size. The invention allows the wearer to select her correct cup and band size which provides proper comfort, lift, fit and support to the bosom. Additionally, the wearer has a choice of inner breast cup insertion depending on the type, shape or purpose desired such as, a normal soft cup construction, an underwire cup construction, a slightly padded cup construction, a fully padded cup construction, or a push up construction (giving a small bosom a more fuller, rounder appearance).

Brief Summary of the Invention

The invention consists of an inner breast cup insert assembly which is attached to the inside of a swimsuit or close-fitting garment made from stretchable material. The

insert assembly consists of two breast cups set in a frame having two side extensions and two vertical extensions. Attached to each side extension and vertical extension is a suitable connecting means such as hook and loop type fasteners. Attached to the inside of the swimsuit, bodysuit, blouse or other close-fitting garment of stretchable material are complimentary hook and loop type fasteners or other suitable connecting means. It is to be understood that the hook side may be on either the insert assembly or the garment while the loop side goes on the other. The inner breast cup insert assembly is attached to and anchored in the swimsuit or close-fitting garment by the connecting means, thereby providing proper fit, support, comfort, and shape to the wearer.

In a preferred embodiment of the invention, the inner breast construction is positioned and attached and detached at the inner sides, front or back and at the underside of the shoulder section of the outer garment and is adjustable. This adjustability provides a proper and better fit to the wearer because the inner breast cup construction can be positioned more accurately on the body and attached to the side of the garment according to the preference of the wearer.

The invention can also be used to provide for balance and natural appearance post mastectomy.

It is the principle object of the present invention to provide an inner breast cup insert assembly to provide proper fit and support of a wearer's breasts in a swimsuit, leotard, bodysuit or other garment of stretchable material.

It is a further object of the invention to provide an inner breast cup insert assembly that is interchangeable between a plurality of swimsuits and other close-fitting garments of stretchable material.

It is also an object of the invention to provide swimsuits with an insertable inner breast cup construction by which the wearer selects the proper cup construction that

fits her dimensions and attaches the inner breast construction to the swimsuit of her choice.

It is an additional object of the invention to provide the wearer a choice of contours and styles of the inner
5 breast cup construction designed to match the wearer's needs, such as natural cup, slightly padded, fully padded, underwire, push-up or any other configuration.

It is another object of the invention to provide improved breast support by accommodating the width and depth
10 dimensions of the wearer's breasts in swimsuits or active wear garments when engaged in strenuous activity.

Numerous other advantages and features of the invention will become readily apparent from the detailed description of the preferred embodiment of the invention, from the claims,
15 and from the accompanying drawings, in which like numerals are employed to designate like parts throughout the same.

Brief Description of the Drawings

A fuller understanding of the foregoing may be had by reference to the accompanying drawings, wherein:

20 Figure 1 is a front view of one embodiment of the present invention;

Figure 2 is a rear view of the present invention of Figure 1;

25 Figure 3 is a partially cut away front view of the swimsuit of the present invention;

Figure 4 is a side view of the present invention;

Figure 5 is a front view of the inner breast cup insert assembly of the present invention;

30 Figure 6 is a front view of an alternate embodiment of the inner breast cup insert assembly of the present invention;

Figure 7 is a perspective view of an alternate embodiment of the present invention; and

35 Figure 8 is a rear view of the alternate embodiment of the present invention of Figure 7.

Figure 9 is a side view of another alternate embodiment

of the present invention.

Figure 10 is a front view of the inner breast cup insert assembly of the embodiment of Figure 9.

Figure 11 is a partially cut away front view of the garment of the embodiment of Figure 9.

Figure 12 is a side view of yet another alternate embodiment of the present invention.

Figure 13 is a front view of the inner breast cup insert assembly of the embodiment of Figure 12.

Figure 14 is a partially cut away front view of the garment of the embodiment of Figure 12.

Detailed Description of the Preferred
Embodiment of the Present Invention

While the invention is susceptible of embodiment in many different forms there is shown in the drawings and will be described herein in detail, a preferred embodiment of the invention along with several alternate embodiments. It should be understood, however, that the present disclosure is to be considered an exemplification of the principles of the invention and is not intended to limit the spirit and scope of the invention and/or claims of the embodiment illustrated.

Figures 1-5 illustrate the present invention used in connection with a swimsuit and comprising inner breast cup insert assembly 30. Figure 6 illustrates an alternate embodiment of an inner breast cup insert assembly 310 for use in a "bandeau" swimsuit. Figures 7 and 8 illustrate an alternate embodiment of the invention comprising garment 120 (which should be understood as representing any close-fitting garment made from stretchable material) and inner breast cup insert assembly 130. Figures 9 through 14 illustrate an alternate embodiment of the invention in which the inner breast cup insert assembly and the swimsuit or garment are manufactured as a single integral article rather than two separate articles. The swimsuit or garment may be formed of any suitable fabric and may be of any suitable style, color, print, etc.

As illustrated, swimsuit 20 has shoulder straps 22 and side seams 24. However, the swimsuit may be formed of any suitable fabric and may be of any suitable style. Attached to the inner side of the shoulder straps 22, are strips of fastening material 80. Fastening material 80 preferably consists of hook and loop type fasteners; however, may be any suitable fastening material, adhesive or connectors known in the art. Attached to the inner side of side seams 24, at the arm pit area, are panels of fastening material 90. Fastening material 90 preferably consists of hook and loop type fasteners; however, may be any suitable fastening material or connectors. The fastening material is preferably secured to the swimsuit 20 by stitching.

Inner breast cup insert assembly 30 is of one piece construction and consists of two breast cups 31, 32 connected at midsection 35, each cup having a vertical extension 40 and a side extension 50. Attached to the outer side of the vertical extensions 40, are strips of fastening material 60. Fastening material 60 preferably consists of hook and loop type fasteners; however, may be any suitable fastening material or connectors. Attached to the outer side of the side extensions 50, are small panels of fastening material 70. Fastening material 70 preferably consists of hook and loop type fasteners; however, may be any suitable fastening material or connectors. The fastening material is preferably secured to the inner breast cup insert assembly 30 by stitching.

As illustrated in the alternate embodiment of the invention 110, garment 120 has shoulders 122 and side seams 124. However, the garment 120 may be formed of any suitable fabric and may be of any suitable style. Attached to the inner side of the shoulders 122, are strips of fastening material 180. Fastening material 180 preferably consists of hook and loop type fasteners; however, may be any suitable fastening material, adhesive or connectors known in the art. Attached to the inner side of side seams 124, at the arm pit

area, are panels of similar fastening material. The fastening material is preferably secured to the garment 120 by stitching.

5 Inner breast cup insert assembly 130 is of one piece construction and consists of two breast cups 131, 132 connected at midsection 135, each having a vertical extension 140 and a side extension 150. Attached to the outer side of the vertical extensions 140, are strips of fastening material. This fastening material preferably consists of
10 hook and loop type fasteners; however, may be any suitable fastening material or connectors. Attached to the outer side of the side extensions 150, are small panels of similar fastening material. The fastening material is preferably secured to the inner breast cup insert assembly 130 by
15 stitching.

As illustrated in the alternate embodiment of the invention 310, inner breast cup insert assembly 330 has only side extensions 350 and no vertical extensions. Insert assembly 330 is intended, but not limited for use in a
20 strapless swimsuit known as a "bandeau."

As illustrated in the alternate embodiment of the invention 210, swimsuit 220 (which should be understood as representing both swimsuits and garments) and inner breast cup insert assembly 230 are manufactured as one integral
25 article. One of the extensions is permanently affixed to the swimsuit 220 while the other of the extensions contains fastening material to maintain adjustability of the insert assembly 230 and the swimsuit 220.

Figures 1 and 2 show swimsuit 20 having shoulder straps
30 22 and side seams 24. Fastening material 80 is shown stitched to the inner side of shoulder straps 22. Inner breast cup insert assembly 30 is shown in its inserted position. Inner breast cup insert assembly 30 has cups 31 and 32 connected at midsection 35. Cups 31 and 32 have
35 vertical extensions 40 and side extensions 50.

Figure 3 shows swimsuit 20 without inner breast cup

insert assembly 30. Swimsuit 20 has shoulder straps 22 and side seams 24. Strips of fastening material 80 are attached to shoulder straps 22. Panels of fastening material 90 are attached to side seams 40 at the arm pit area of swimsuit 20.

5 Figure 4 shows a side view of swimsuit 20 with inner breast cup insert assembly 30 in its inserted position. Swimsuit 20 has shoulder straps 22 with strips of fastening material 80 attached thereto, and side seams 24 with panels of fastening material 90 attached thereto. Inner breast cup
10 insert assembly 30 with cup 31, vertical extensions 40 and side extensions 50 is inserted into swimsuit 20. Fastening material 60 on vertical extensions 40 is connected to fastening material 80 on shoulder straps 22. Similarly, fastening material 70 on side extension 50 is connected to
15 fastening material 90 on side seam 24.

Figure 5 shows inner breast cup insert assembly 30 having cups 31, 32 connected at midsection 35. Cups 31, 32 each have a vertical extension 40 and a side extension 50. Attached to vertical extensions 40 is fastening material 60.
20 Attached to side extension 50 is fastening material 70.

Figure 6 shows an alternate embodiment of the present invention 310. The inner breast cup insert assembly 330 contains two breast cups 331, 332 connected at midsection 335. Insert assembly 330 further comprises side extensions
25 350 having fastening material 370. Insert assembly 330 has no vertical extensions and therefore, is suitable for application in a strapless swimsuit, such as a "bandeau," having complimentary fastening material at its side seams.

Figures 7 and 8 show an alternate embodiment of the invention 110. Garment 120 is shown with inner breast cup
30 insert assembly 130 in its inserted position. Garment 120 has shoulders 122 with fastening material 180 connected thereto, and side seams 124 with fastening material (not shown) connected thereto. Inner breast cup insert assembly
35 130 has cups 131, 132 connected at midsection 135. Cups 131, 132 have vertical extensions 140 with fastening material (not

shown) connected thereto, and side extensions 150 with fastening material (not shown) connected thereto.

Figure 9 illustrates an alternate embodiment of the present invention 210 in which the vertical extensions 240 of the inner breast cup insert assembly 230 are permanently attached to the shoulders 222 through stitching or other suitable means. Swimsuit 220 (or garment) has a panel of fastening material 290 fixedly attached at the side seam or underarm area 224. Inner breast cup insert assembly 230 loosely hangs inside the swimsuit 220 (or garment). Side extension 250 of the insert assembly 230 contain a strip of complimentary fastening material 270 at the end thereof. Fastening material 270 is adjustably positioned on fastening material 290 to provide proper shape, support, etc. to the wearer.

Figure 10 shows the inner breast cup insert assembly 230 of the invention 210 illustrated in Figure 9. Insert assembly 230 contains two breast cups 231, 232 connected at a midsection 235, side extensions 250, and vertical extensions 240. Side extensions 250 have a strip of fastening material 270 affixed thereon at the end of the extension. Vertical extensions 240 are fixedly attached to the shoulders 222 of a swimsuit 220 or garment by any suitable means such as by stitching. The cups 231, 232 and side extensions 270 would then hang freely within the swimsuit 220 or garment and can be adjustably positioned therein as desired.

Figure 11 shows the swimsuit 220 (or garment) of the invention 210 illustrated in Figure 9. Swimsuit 220 (or garment) has shoulders 222 and side seams or underarm areas 224. Fastening material 290 is placed towards the back of underarm area 224. Fastening material 290 may be any shape or size, or may be placed in any suitable location, so long as fastening material 270 of side extensions 250 can be suitably adjustable.

Figure 12 illustrates an alternate embodiment of the

present invention 210 in which the side extensions 250 of the inner breast cup insert assembly 230 are permanently attached to the side seams or underarm areas 224 of swimsuit 220 (or garment) through stitching or other suitable means. Swimsuit 5 220 (or garment) has a strip of fastening material 280 fixedly attached at the shoulders 222. Vertical extensions 240 of the insert assembly 230 contains a strip of complimentary fastening material 260 along the length thereof. Fastening material 260 is adjustably positionable 10 on fastening material 280 to provide proper shape, support, etc. to the wearer.

Figure 13 shows the inner breast cup insert assembly 230 of the invention 210 illustrated in Figure 12. Insert assembly 230 contains two breast cups 231, 232 connected at 15 a midsection 235, side extensions 250, and vertical extensions 240. Vertical extensions 240 have a strip of fastening material 260 affixed thereon along the length of the extensions. Side extensions 250 are fixedly attached to the side seam or underarm area 224 of swimsuit 220 (or 20 garment) by any suitable means such as by stitching. The cups 231, 232 and vertical extension 240 are free to move within the swimsuit 220 or garment and can be adjustably positioned therein as desired.

Figure 14 shows the swimsuit 220 (or garment) of the 25 invention 210 illustrated in Figure 12. Swimsuit 220 (or garment) has shoulders 222 and side seams or underarm areas 224. Fastening material 280 is placed on the shoulder areas 222, inside the swimsuit 220 or garment. Fastening material 280 may be any shape or size, or may be placed in any 30 suitable location, so long as fastening material 260 of vertical extensions 240 can be suitably adjustable.

In use, for example, in a swimsuit 20, the inner breast cup construction assembly has the function and appearance of part of a brassiere, but is completed by the body and straps 35 of the suit and has improved fitting characteristics. The inner breast cup construction is made without shoulder straps

or back closure. Extending vertically from the breast cups along the vertical extensions is a strip of fastening material such as hook and loop type fasteners. At each side extension, a small rectangular panel of fastening material is
5 attached. The strip of fastening material extending vertically from the cups attaches to the swimsuit at the shoulder straps. The small panel of fastening material on the side extensions attaches to the swimsuit at the side seams. Thus, the inner breast cup insert assembly is
10 securely anchored in the swimsuit and in a sense becomes part of the swimsuit or is hidden within the swimsuit.

Alternatively, if a strapless swimsuit, called a "bandeau," is to be worn, the inner breast cup insert assembly can be manufactured without vertical extensions (see
15 Figure 6). The breast cups then would only have side extensions which would fasten to the sides of the bandeau. All other aspects of the insert assembly would remain the same.

To provide proper fit, the inner breast cup insert
20 assembly is adjustable. The wearer attaches the straps and side extensions of the inner breast cup insert assembly according to her preference and amount of lift and support desired. The wearer can adjust the vertical and side extensions by positioning them on the shoulder straps and
25 side seams of the swimsuit. The outer shell of the swimsuit will stretch over the insert assembly.

This adjustable bust cup construction has the function and appearance of a partial brassiere which is completed by the body and straps of the suit which hosts it. The
30 adjustable bust cup construction is made without shoulder straps or back closure. It has fitting features of a brassiere, but it has the ability to be hidden within the suit, where a brassiere could not be worn satisfactorily.

The inner breast cup construction of the present
35 invention will allow the wearer to choose the correct breast cup size according to the preference and purpose of the

wearer. Therefore, the inner breast cup insert assembly will provide proper fit and comfort to the wearer.

The inner breast cup insert assembly is marketed separately from the swimsuit or garment. This allows the
5 wearer the choice of the desired insert assembly for the associated swimsuit or garment while providing the desired fit, comfort and support. Also, one insert assembly could be inserted into several different swimsuits or close-fitting garments such as leotards, dancewear, etc. Similarly,
10 different insert assemblies could be inserted into the same swimsuit or garment, thereby allowing more than one person to wear, i.e. share, the same swimsuit or garment if desired.

In an alternate embodiment of the invention, the inner breast cup insert assembly is marketed together with and
15 attached to the swimsuit or garment. Invention 210 is similar to inventions 10 and 110, but has one important distinction. Instead of both the vertical extensions and the side extensions having fastening material and the swimsuit or garment having complimentary fastening material, only one of
20 the two types of extensions contain fastening material and the swimsuit or garment having only one area of complimentary fastening material. The extensions without the fastening material are fixably attached to the garment by stitching or other suitable means.

25 For example, vertical extensions 240 could be stitched directly to shoulders 222 of the swimsuit or garment 220. Only side extensions 250 would contain fastening material 270. Swimsuit or garment 220 would only contain fastening material 290. The inner breast cup insert would be
30 adjustable laterally by positioning fastening material 270 on fastening material 290, to provide desired support.

Conversely, side extensions 250 could be stitched directly to the under arm area or side seam 224 of the swimsuit or garment 220. Only vertical extensions 240 would
35 contain fastening material 260. Swimsuit or garment 220 would only contain fastening material 280. The inner breast

cup insert would be adjustable vertically by positioning fastening material 260 on fastening material 280, to provide desired support.

5 It is to be understood that the embodiments herein described are merely illustrative of the principles of the present invention. Various modifications may be made by those skilled in the art without departing from the spirit or scope of the claims which follow.

CLAIMS

1. An adjustable inner breast cup insert assembly for a woman's swimsuit, comprising:

two breast cups each having a side extension and a
5 vertical extension;

first means for connecting attached to said side extensions and said vertical extensions of said breast cups; and

second means for connecting attached to said swimsuit;
10 wherein said first and second means for connecting are connected to anchor said inner breast cup insert assembly in said swimsuit, thereby providing proper fit, support, comfort and shape to a wearer.

2. The inner breast cup insert assembly of Claim 1,
15 wherein said two breast cups are connected at a midsection.

3. The inner breast cup insert assembly of Claim 2, wherein said first and second means for connecting are strips and panels of fastening material.

4. The inner breast cup insert assembly of Claim 2,
20 wherein said first and second means for connecting are complimentary hook and loop type fasteners.

5. The inner breast cup insert assembly of Claim 1, wherein said swimsuit comprises shoulder straps and side seams, and said second means for connecting are attached to
25 an inner side of said shoulder straps and side seams.

6. The inner breast cup insert assembly of Claim 5, wherein said first means for connecting attached to said vertical extensions of said insert assembly removably connects with said second means for connecting attached to
30 said shoulder straps of said swimsuit, and said first means for connecting attached to said side extensions of said insert assembly removably connects with said second means for connecting attached to said side seams of said swimsuit.

7. The inner breast cup insert assembly of Claim 1,
35 wherein said breast cups are sized to fit a woman's bosom development.

8. The inner breast cup insert assembly of Claim 1, wherein said breast cups are interchangeable between a plurality of swimsuits having said second means for connecting.

5 9. The inner breast cup insert assembly of Claim 1, wherein a plurality of differently sized and styled breast cup insert assemblies can be interchanged into said swimsuit.

10 10. An adjustable inner breast cup insert assembly for a woman's garment of stretchable material, made to closely fit the woman's body, comprising:

two breast cups each having a side extension and a vertical extension;

15 first means for connecting attached to said side extensions and said vertical extensions of said breast cups; and

second means for connecting attached to said garment; wherein said first and second means for connecting are connected to anchor said inner breast cup insert assembly in said garment, thereby providing proper fit, support, comfort
20 and shape to a wearer.

11. The inner breast cup insert assembly of Claim 10, wherein said two breast cups are connected at a midsection.

25 12. The inner breast cup insert assembly of Claim 11, wherein said first and second means for connecting are strips and panels of fastening material.

13. The inner breast cup insert assembly of Claim 11, wherein said first and second means for connecting are complimentary hook and loop type fasteners.

30 14. The inner breast cup insert assembly of Claim 10, wherein said garment comprises shoulders and side seams, and said second means for connecting are attached to an inner side of said shoulders and side seams.

35 15. The inner breast cup insert assembly of Claim 14, wherein said first means for connecting attached to said vertical extensions of said insert assembly removably connects with said second means for connecting attached to

said shoulders of said garment, and said first means for connecting attached to said side extensions of said insert assembly removably connects with said second means for connecting attached to said side seams of said garment.

5 16. The inner breast cup insert assembly of Claim 10, wherein said breast cups are sized to fit a woman's bosom development.

10 17. The inner breast cup insert assembly of Claim 10, wherein said breast cups are interchangeable between a plurality of garments having said second means for connecting.

18. The inner breast cup insert assembly of Claim 10, wherein a plurality of differently sized and styled breast cup insert assemblies can be interchanged into said garment.

15 19. An adjustable inner breast cup insert assembly for a woman's swimsuit, comprising:

two breast cups each having a side extension;

first means for connecting attached to said side extensions of said breast cups; and

20 second means for connecting attached to said swimsuit; wherein said first and second means for connecting are connected to anchor said inner breast cup insert assembly in said swimsuit, thereby providing proper fit, support, comfort and shape to a wearer.

25 20. The inner breast cup insert assembly of Claim 19, wherein said swimsuit comprises side seams, and said second means for connecting are attached to an inner side of said side seams.

30 21. A woman's garment of stretchable material, made to closely fit a woman's body, for use in combination with an inner breast cup insert assembly having two breast cups, each having a side extension and a vertical extension, and first means for connecting attached to said side extensions and said vertical extensions of said breast cups, said garment
35 comprising:

shoulder area material for covering and surrounding the

woman's shoulder;

side area material for covering and surrounding the woman's side; and

second means for connecting attached to said shoulder area material and said side area material, said second means for connecting complementarily connects with said first means for connecting of said inner breast cup insert assembly, thereby providing proper fit, support, comfort and shape to a wearer.

22. The inner breast cup insert assembly of Claim 21, wherein said woman's garment of stretchable material is a swimsuit.

23. The inner breast cup insert assembly of Claim 21, wherein said woman's garment of stretchable material is a leotard.

24. The inner breast cup insert assembly of Claim 21, wherein said woman's garment of stretchable material is close-fitting dancewear.

25. The inner breast cup insert assembly of Claim 21, wherein said woman's garment of stretchable material is close-fitting activewear.

26. The inner breast cup insert assembly of Claim 21, wherein said woman's garment of stretchable material is close-fitting bodywear.

27. An adjustable inner breast cup insert assembly, for use in combination with a woman's garment of stretchable material, made to closely fit a woman's body and having means for connecting attached thereto, said insert assembly being of one-piece construction and comprising:

two breast cups connected at a midsection;
a vertical extension and a side extension on each breast cup; and

complimentary connecting means attached to said vertical extensions and said side extensions for coacting with said means for connecting on said woman's garment, thereby securely fastening said insert assembly within said woman's

garment.

28. An adjustable inner breast cup insert assembly comprising:

two breast cups connected at a midsection;

5 a vertical extension and a side extension on each breast cup; and

means for fastening attached to said vertical extensions and said side extensions,

10 said vertical extensions extend from the breast cups to, and end at, a wearer's shoulder area,

said side extensions extend from the breast cups to, and end at, a wearer's underarm area.

29. A garment of stretchable material for a woman, made to closely fit a woman's upper torso, comprising:

15 a front area of material;

a shoulder area of material;

a side area of material; and

means for connecting attached to said shoulder area of material and to said side area of material.

20 30. An adjustable inner breast cup insert assembly for a woman's garment, comprising:

two breast cups each having a side extension and a vertical extension;

25 first means for connecting attached to one of said side extensions or said vertical extensions; and

second means for connecting attached to said garment;

30 wherein the other of said one of said side extensions or said vertical extensions is fixedly attached to said garment, and said first and second means for connecting are connected to anchor said inner breast cup insert assembly in said garment, thereby providing proper fit, support, comfort, and shape to a wearer.

31. The inner breast cup insert assembly of Claim 30, wherein said first and second means for connecting are 35 complimentary hook and loop type fasteners.

32. The inner breast cup insert assembly of Claim 30,

wherein said garment comprises shoulder areas and under arm areas, said vertical extensions of said insert assembly are fixedly attached to said shoulder areas, said first means for connecting is attached to said side extensions of said insert assembly, and said second means for connecting is attached to said under arm areas.

33. The inner breast cup insert assembly of Claim 30, wherein said garment comprises shoulder areas and under arm areas, said side extensions of said insert assembly are fixedly attached to said under arm areas, said first means for connecting is attached to said vertical extensions of said insert assembly, and said second means for connecting is attached to said shoulder areas.

34. The inner breast cup insert assembly of Claim 30, wherein said garment is a swimsuit.

35. The inner breast cup insert assembly of Claim 30, wherein said garment is of stretchable material, made to closely fit a woman's body.

36. The inner breast cup insert assembly of Claim 35, wherein said garment is a leotard.

37. The inner breast cup insert assembly of Claim 35, wherein said garment is dancewear.

38. The inner breast cup insert assembly of Claim 35, wherein said garment is activewear.

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FIG.3

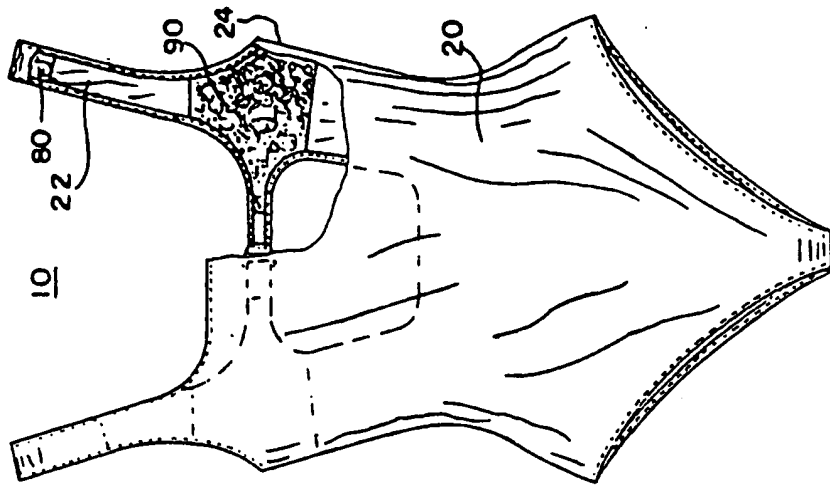


FIG.2

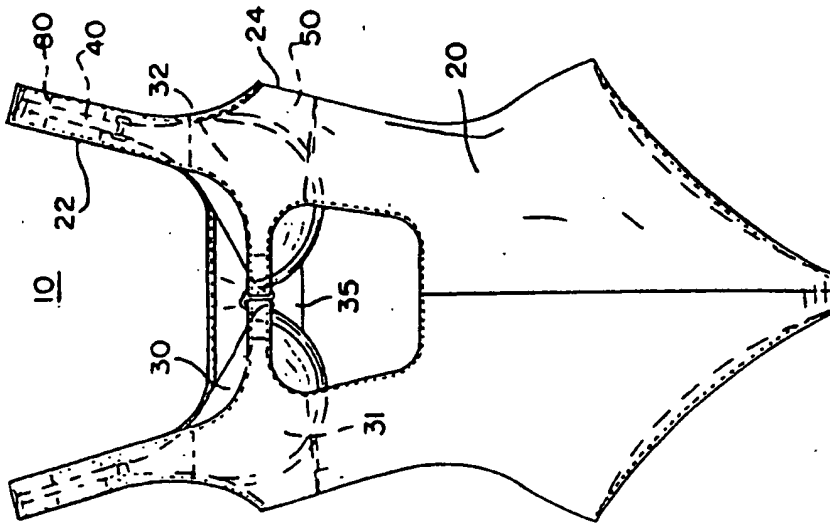
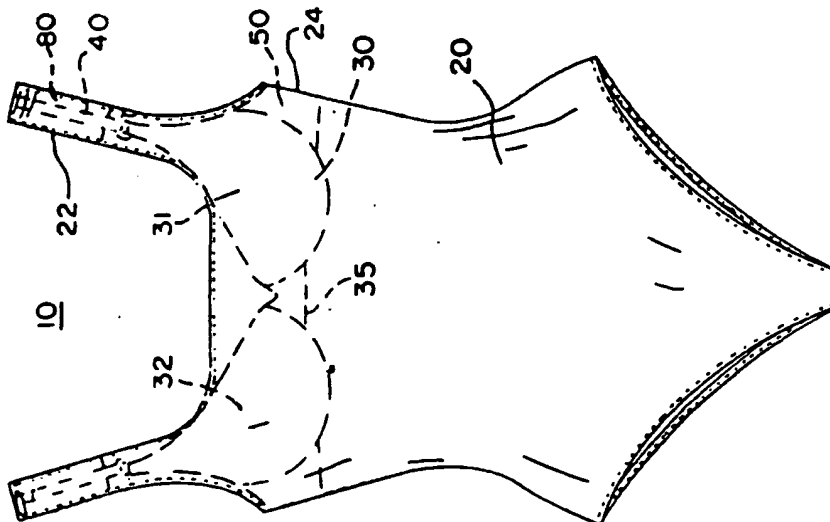


FIG.1



SUBSTITUTE SHEET

FIG.4

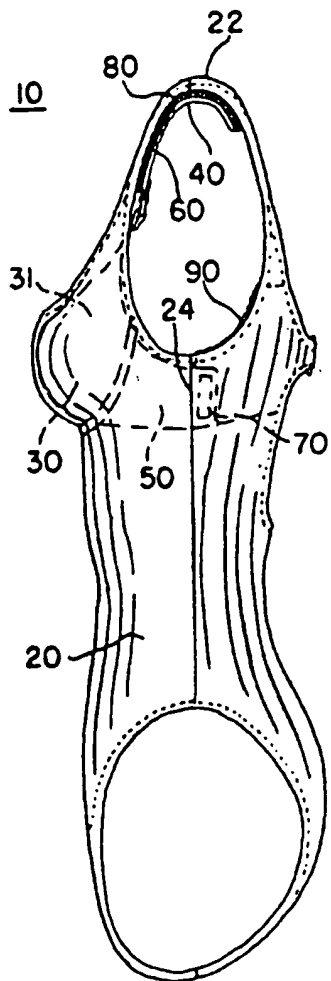


FIG.5

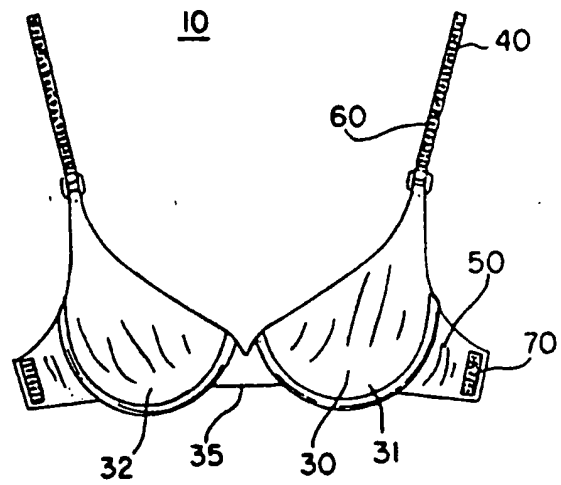
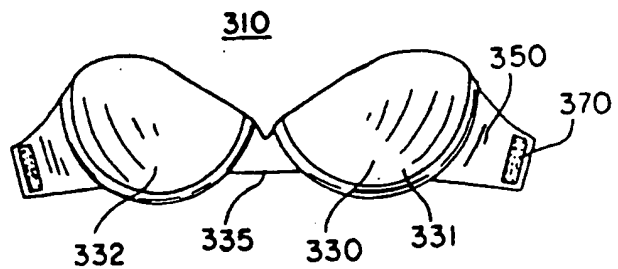
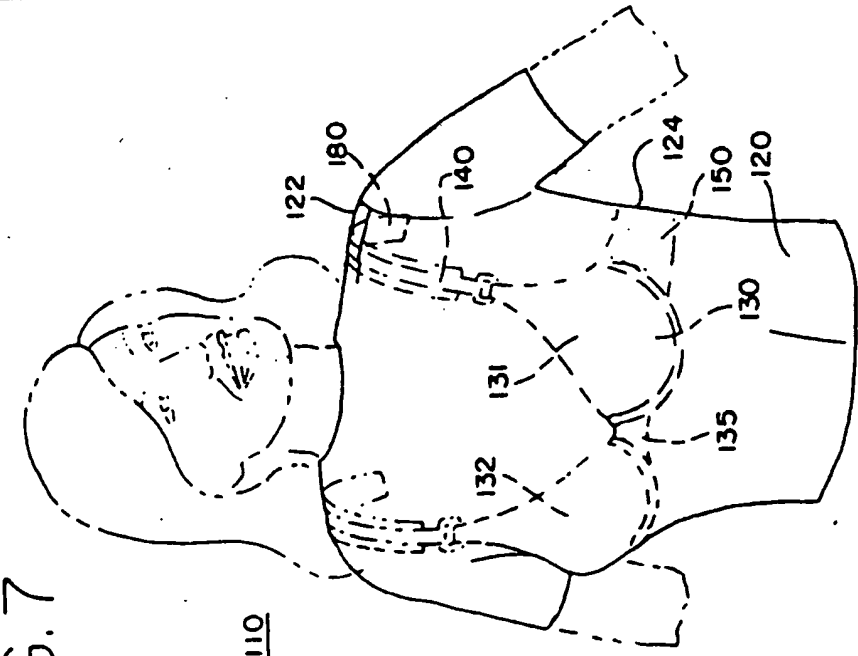
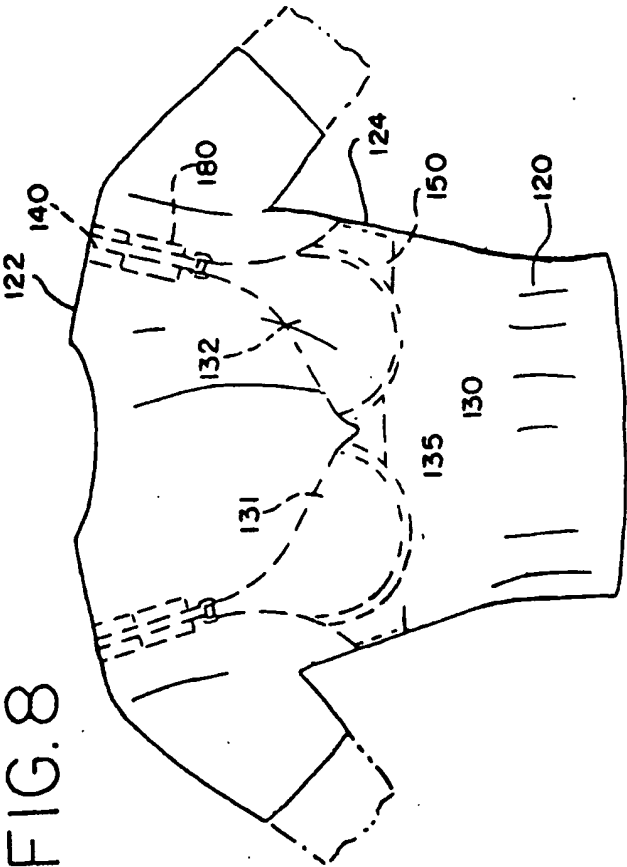
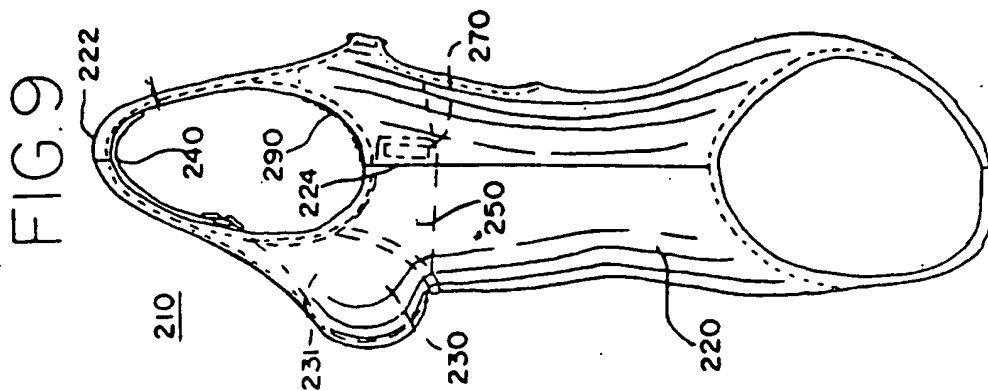
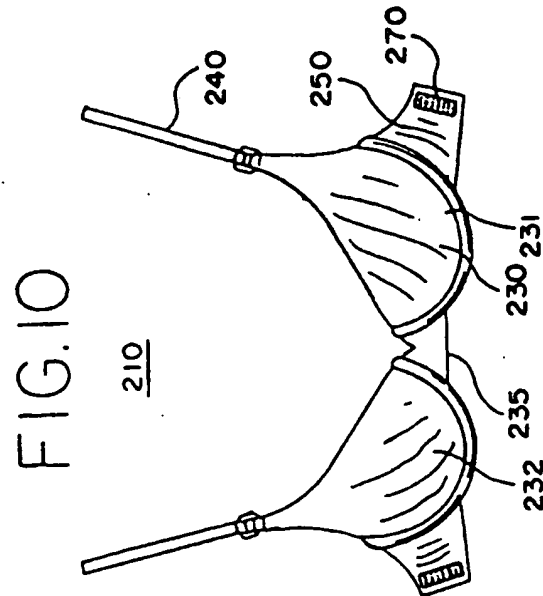
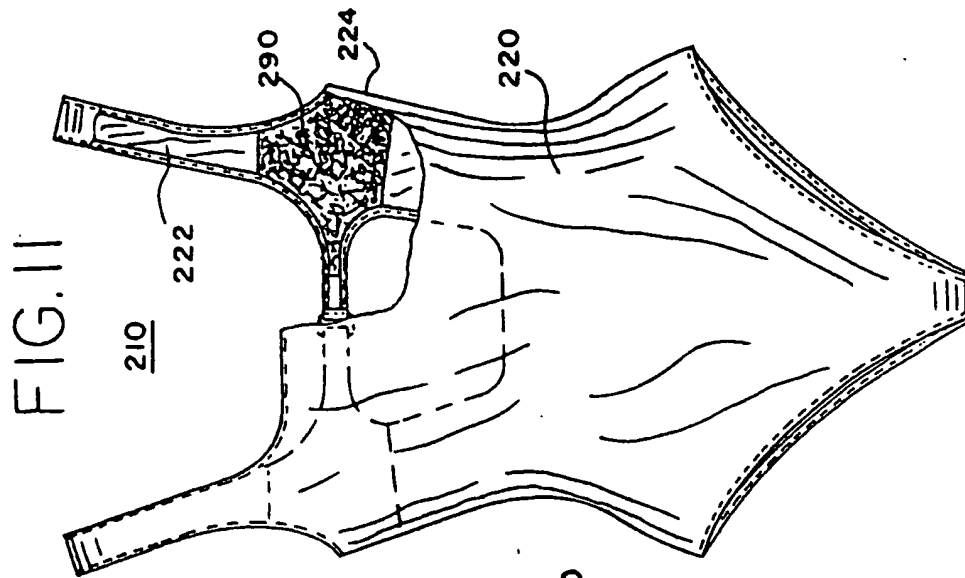


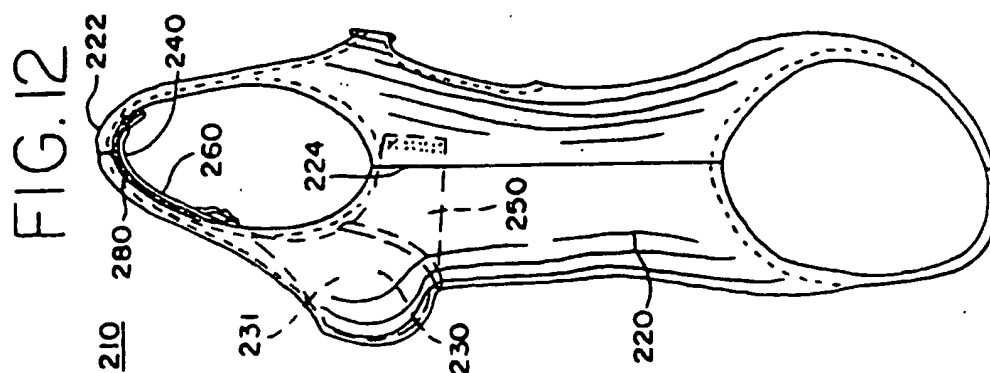
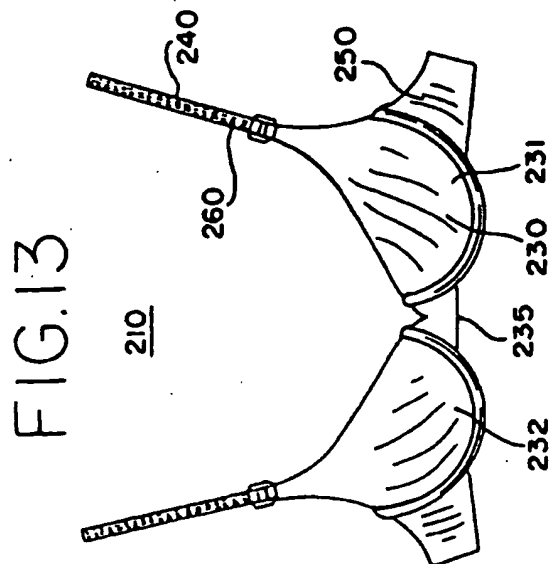
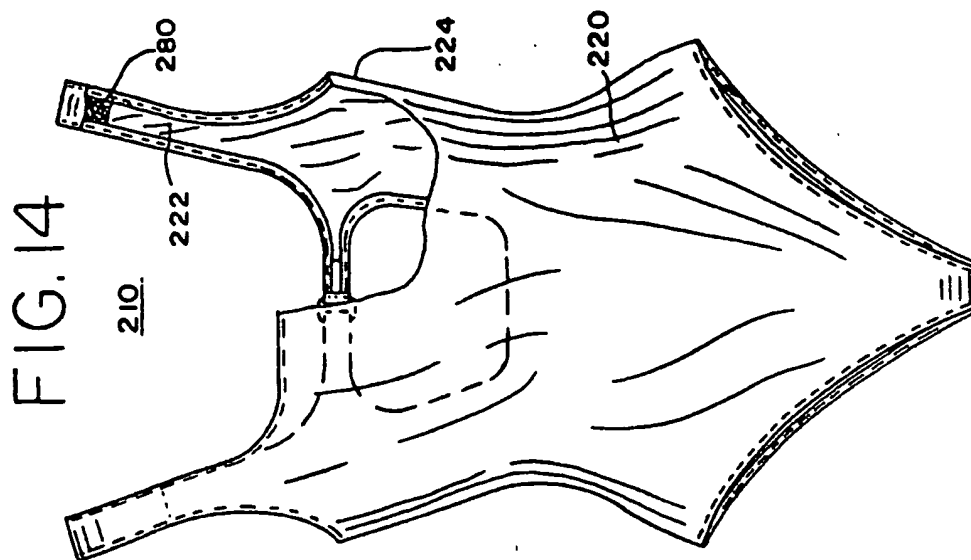
FIG.6







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SUBSTITUTE SHEET

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US93/11078

A. CLASSIFICATION OF SUBJECT MATTER

IPC(5) : A41B 1/02, 1/06; A41C 3/08

US CL : 450/30, 31, 32; 2/67, 73, 106, 115

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 450/30, 31, 32, 37, 38; 2/67, 73, 105, 106, 115, 244

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US, A, 2,359,804 (STRUTHERS) 10 October 1944 (see entire document)	1 - 3, 7 - 8, 10 - 12, 16-17, 19, 29 4-6, 9, 13, 18, 20-28, 30-38
Y	GERSHMAN, MAURICE, "Self-Adhering Nylon Tapes," vol. 168, No. 7, published 1958, by The Journal of the American Medical Association, pg 930.	4, 13 and 31
Y	US, A, 2,099,949 (WANGENHEIM) 23 November 1937 (see entire document)	5-6, 14-15, 21- 26, 27-28, 30- 38
Y	US, A, 3,436,762 (CAHAN) 08 April 1969 (see entire document)	5-6, 14-15, 20

☒ Further documents are listed in the continuation of B... C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

17 December 1993

Date of mailing of the international search report

FEB 17 1994

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. NOT APPLICABLE

Authorized officer

JEANETTE E. CHAPMAN

Telephone No. (703) 308-1310

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US93/11078

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US, A, 2,268,781 (SLOTOROFF) 06 January 1942 (see entire document)	9, 18
Y	US, A, 1,254,043 (JAMES) 22 January 1918 (see entire document)	30-38
A	US, A, 2,592,265 (FYFFE) 08 April 1952 (see entire document)	
A	US, A, 1,990,322 (GOLDBERG) 05 February 1935 (see entire document)	
A	FR, A, 775,675 (ENTRAYGUES) 07 January 1935 (see entire document)	